

Vk2c10

1	D	I	Q	M	T	Q	S	P	A	S	L	S	A	S	L	15
	GAC	ATT	CAA	ATG	ACC	CAG	TCT	CCA	GCT	TCC	CTG	TCT	GCA	TCT	CTG	
	CTG	TAA	GTT	TAC	TGG	GTC	AGA	GGT	CGA	AGG	GAC	AGA	CGT	AGA	GAC	
CDRI																
16	G	E	T	V	S	I	E	C	L	A	S	E	D	I	Y	30
	GGA	GAA	ACT	GTC	TCC	ATC	GAA	TGT	CTG	GCA	AGT	GAG	GAC	ATA	TAC	
	CCT	CTT	TGA	CAG	AGG	TAG	CTT	ACA	GAC	CGT	TCA	CTC	CTG	TAT	ATG	
31	T	Y	L	T	W	Y	Q	Q	K	P	G	K	S	P	Q	45
	ACT	TAT	TTA	ACA	TGG	TAT	CAG	CAG	AAA	CCA	GGG	AAA	TCT	CCT	CAA	
	TGA	ATA	AAT	TGT	ACC	ATA	GTC	GTC	TTT	GGT	CCC	TTT	AGA	GGA	GTT	
CDRII																
46	L	L	I	Y	G	A	N	K	L	Q	D	G	V	P	S	60
	CTC	CTG	ATC	TAT	GGT	GCA	AAT	AAG	TTG	CAA	GAT	GGG	GTC	CCA	TCA	
	GAG	GAC	TAG	ATA	CCA	CGT	TTA	TTC	AAC	GTT	CTA	CCC	CAG	GGT	AGT	
61	R	F	S	G	S	G	S	G	T	Q	Y	S	L	K	I	75
	CGG	TTC	AGT	GGC	AGT	GGA	TCT	GGC	ACA	CAG	TAT	TCT	CTC	AAG	ATC	
	GCC	AAG	TCA	CCG	TCA	CCT	AGA	CCG	TGT	GTC	ATA	AGA	GAG	TTC	TAG	
76	S	G	I	Q	P	E	D	E	G	D	Y	F	C	L	Q	90
	AGC	GGC	ATA	CAA	CCT	GAA	GAT	GAA	GGG	GAT	TAT	TTC	TGT	CTA	CAG	
	TCG	CCG	TAT	GTT	GGA	CTT	CTA	CTT	CCC	CTA	ATA	AAG	ACA	GAT	GTC	
CDRIII																
91	G	S	K	F	P	L	T	F	G	S	G	T	K	L	E	105
	GGT	TCC	AAG	TTT	CCG	CTC	ACG	TTC	GGT	TCT	GGG	ACC	AAG	CTG	GAG	
	CCA	AGG	TTC	AAA	GGC	GAG	TGC	AAG	CCA	AGA	CCC	TGG	TTC	GAC	CTC	
106	I	K	R													
	ATC	AAA	CGG													
	TAG	TTT	GCC													

VH2C10

1 0 30 15
 1 E V Q L Q Q S G A E L V R P G
 GAG GTC CAG CTA CAG CAG TCT GGG GCT GAG CTT GTG AGA CCT GGG
 CTC CAG GTC GAT GTC GTC AGA CCC CGA CTC GAA CAC TCT GGA CCC

50 70 90 30
 16 T S V K L S C K V S G E I S T
 ACC TCT GTG AAG TTA TCT TGC AAA GTT TCT GGC GAA ATA AGT ACA
 TGG AGA CAC TTC AAT AGA ACG TTT CAA AGA CCG CTT TAT TCA TGT

CDRI

1 10 13 0 45
 31 G Y Y F H F V R R R P G Q G L
 GGA TAC TAT TTC CAC TTT GTG AGG CGA AGG CCT GGA CAG GGT CTG
 CCT ATG ATA AAG GTG AAA CAC TCC GCT TCC GGA CCT GTC CCA GAC

CDRII

150 1 70 60
 46 E W I G R I D P E D D S T K Y
 GAA TGG ATA GGA AGG ATT GAT CCT GAG GAT GAT AGT ACT AAA TAT
 CTT ACC TAT CCT TCC TAA CTA GGA CTC CTA CTA TCA TGA TTT ATA

19 0 210 75
 61 A E R F K D R A T L T A Q T S
 GCT GAG AGG TTC AAA GAC AGG GCG ACG CTC ACT GCA CAA ACA TCC
 CGA CTC TCC AAG TTT CTG TCC CGC TGC GAG TGA CGT GTT TGT AGG

2 30 25 0 270 90
 76 S N T A Y L N L S S L T S E D
 TCC AAC ACA GCC TAC CTG AAC CTC AGC AGC CTG ACC TCT GAG GAC
 AGG TTG TGT CGG ATG GAC TTG GAG TCG TCG GAC TGG AGA CTC CTG

2 90 31 0 105
 91 T A T Y F C T T W R I Y R D S
 ACT GCA ACT TAT TTT TGT ACC ACA TGG CGG ATA TAC CGA GAT AGT
 TGA CGT TGA ATA AAA ACA TGG TGT ACC GCC TAT ATG GCT CTA TCA

CDRIII

330 3 50 120
 106 S G R P F Y V M D A W G Q G A
 TCT GGC CGC CCC TTC TAT GTT ATG GAT GCC TGG GGT CAA GGA GCT
 AGA CCG GCG GGG AAG ATA CAA TAC CTA CGG ACC CCA GTT CCT CGA

37 0 126
 121 S V T V S S
 TCA GTC ACT GTC TCC TCA
 AGT CAG TGA CAG AGG AGT

FIGURE 2

[illegible]

FIGURE 3
3/6

VH13G9

1 Q V T L K E S G P G I L K P S 15
 CAA GTT ACT CTT AAG GAG TCT GGC CCT GGG ATA TTG AAG CCC TCA
 GTT CAA TGA GAA TTC CTC AGA CCG GGA CCC TAT AAC TTC GGG AGT

16 Q T L S L T C S F S G F S L S 30
 CAG ACC CTC AGT CTG ACT TGT TCT TTC TCT GGG TTT TCT CTG AGC
 GTC TGG GAG TCA GAC TGA ACA AGA AAG AGA CCC AAA AGA GAC TCG

31 T S G M G I A W V R Q P S G K 45
 ACT TCT GGT ATG GGT ATT GCC TGG GTT CGT CAG CCT TCA GGG AAG
 TGA AGA CCA TAC CCA TAA CGG ACC CAA GCA GTC GGA AGT CCC TTC

46 G L E W L A D I W W D D N K Y 60
 GGT CTG GAG TGG CTG GCA GAC ATT TGG TGG GAT GAT AAT AAG TAT
 CCA GAC CTC ACC GAC CGT CTG TAA ACC ACC CTA CTA TTA TTC ATA

61 Y N P S L E S Q L T I S K D T 75
 TAT AAT CCA TCC CTG GAG AGC CAG CTC ACA ATC TCC AAG GAT ACC
 ATA TTA GGT AGG GAC CTC TCG GTC GAG TGT TAG AGG TTC CTA TGG

76 S R N Q V F L T I T S V D T A 90
 TCC AGA AAC CAG GTA TTC CTC ACG ATC ACC AGT GTG GAC ACT GCA
 AGG TCT TTG GTC CAT AAG GAG TGC TAG TGG TCA CAC CTG TGA CGT

91 D S A T Y Y C A R H H Y D G S 105
 GAT TCT GCC ACT TAT TAC TGT GCT CGT CAT CAT TAC GAC GGT AGT
 CTA AGA CGG TGA ATA ATG ACA CGA GCA GTA GTA ATG CTG CCA TCA

106 S L L P M D Y W G Q G T S V T 120
 AGC CTC CTG CCT ATG GAC TAC TGG GGT CAA GGA ACC TCA GTC ACC
 TCG GAG GAC GGA TAC CTG ATG ACC CCA GTT CCT TGG AGT CAG TGG

121 V S S 123
 GTC TCC TCA
 CAG AGG AGT

FIGURE 4

Vk14B7

[illegible]

FIGURE 5
5/6

VH14B7

1 E V Q L Q Q S G A E L V R P G 15
 GAG GTT CAG CTT CAG CAG TCT GGG GCT GAG CTT GTG AGA CCT GGG
 CTC CAA GTC GAA GTC GTC AGA CCC CGA CTC GAA CAC TCT GGA CCC

16 T S V K F S C K V S G D T P T 30
 ACC TCT GTG AAG TTT TCT TGC AAA GTT TCT GGC GAT ACC CCT ACA
 TGG AGA CAC TTC AAA AGA ACG TTT CAA AGA CCG CTA TGG GGA TGT

CDR I 1 10 13 0
 31 T Y Y V H F V R Q R P G Q G L 45
 ACA TAC TAC GTG CAC TTT GTG AGA CAA AGG CCT GGA CAG GGT CTG
 TGT ATG ATG CAC GTG AAA CAC TCT GTT TCC GGA CCT GTC CCA GAC

 150 1 70 **CDR II**
 46 E W I G R I D P E D T S T K Y 60
 GAA TGG ATA GGA AGG ATT GAT CCT GAG GAT ACT AGT ACT AAA TAT
 CTT ACC TAT CCT TCC TAA CTA GGA CTC CTA TGA TCA TGA TTT ATA

 19 0 210
 61 A E K F R N K A T F T A D P S 75
 GCT GAG AAG TTC AGA AAT AAG GCG ACA TTC ACT GCA GAT CCA TCC
 CGA CTC TTC AAG TCT TTA TTC CGC TGT AAG TGA CGT CTA GGT AGG

 2 30 25 0 270
 76 S N T A Y L N L S S L T P E D 90
 TCC AAC ACA GCC TAC CTA AAC CTC AGC AGC CTG ACC CCT GAG GAC
 AGG TTG TGT CGG ATG GAT TTG GAG TCG TCG GAC TGG GGA CTC CTG

 2 90 31 0
 91 T A T Y F C T I M R Y H S T Y 105
 ACT GCA ACC TAT TTT TGT ACC ATA ATG CGG TAC CAT AGT ACC TAT
 TGA CGT TGG ATA AAA ACA TGG TAT TAC GCC ATG GTA TCA TGG ATA

CDR III 330 3 50
 106 R V Y V M D F W G Q G T A V T 120
 AGG GTC TAT GTT ATG GAT TTC TGG GGT CAA GGA ACT GCA GTC ACT
 TCC CAG ATA CAA TAC CTA AAG ACC CCA GTT CCT TGA CGT CAG TGA

121 V S 122
 GTC TCC TC
 CAG AGG AG

FIGURE 6